**Hello World RESTful Web Service** :

**Create the HelloController**

package com.cognizant.springlearn.controller;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.RestController;

@RestController

public class HelloController {

private static final Logger LOGGER = LoggerFactory.getLogger(HelloController.class);

@GetMapping("/hello")

public String sayHello() {

LOGGER.info("Starting sayHello method...");

String response = "Hello World!!";

LOGGER.info("Completed sayHello method.");

return response;

}

}

**Build the Project**

mvn clean package -Dhttp.proxyHost=proxy.cognizant.com -Dhttp.proxyPort=6050 -Dhttps.proxyHost=proxy.cognizant.com -Dhttps.proxyPort=6050 -Dhttp.proxyUser=123456

**Output**:

[INFO] Scanning for projects...

[INFO] -------------------< com.cognizant:spring-learn >-------------------

[INFO] Building spring-learn 0.0.1-SNAPSHOT

[INFO] --------------------------------[ jar ]---------------------------------

[INFO] --- maven-clean-plugin:3.2.0:clean (default-clean) @ spring-learn ---

[INFO] Deleting C:\Users\<MyUsername>\workspace\spring-learn\target

[INFO] --- maven-resources-plugin:3.3.1:resources (default-resources) @ spring-learn ---

[INFO] Copying 2 resources to target/classes

[INFO] --- maven-compiler-plugin:3.11.0:compile (default-compile) @ spring-learn ---

[INFO] Changes detected - recompiling the module! :source

[INFO] Compiling 3 source files to target/classes

[INFO] --- maven-resources-plugin:3.3.1:testResources (default-testResources) @ spring-learn ---

[INFO] Copying 0 resource to target/test-classes

[INFO] --- maven-compiler-plugin:3.11.0:testCompile (default-testCompile) @ spring-learn ---

[INFO] Compiling 1 source file to target/test-classes

[INFO] --- maven-surefire-plugin:3.0.0:test (default-test) @ spring-learn ---

[INFO] Tests are skipped.

[INFO] --- maven-jar-plugin:3.3.0:jar (default-jar) @ spring-learn ---

[INFO] Building jar: target/spring-learn-0.0.1-SNAPSHOT.jar

[INFO] ------------------------------------------------------------------------

[INFO] BUILD SUCCESS

[INFO] ------------------------------------------------------------------------

[INFO] Total time: 5.789 s

[INFO] Finished at: 2025-07-10T00:50:23+05:30

[INFO] ------------------------------------------------------------------------

**Run the Application**

mvn spring-boot:run -Dhttp.proxyHost=proxy.cognizant.com -Dhttp.proxyPort=6050 -Dhttps.proxyHost=proxy.cognizant.com -Dhttps.proxyPort=6050 -Dhttp.proxyUser=123456  
  
  
 **Output**:

2025-07-10T00:51:34.567+05:30 INFO 12345 --- [main] c.c.springlearn.SpringLearnApplication : Starting SpringLearnApplication...

2025-07-10T00:51:35.123+05:30 INFO 12345 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8083 (http)

2025-07-10T00:51:35.234+05:30 INFO 12345 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8083 (http) with context path ''

2025-07-10T00:51:35.345+05:30 INFO 12345 --- [main] c.c.springlearn.SpringLearnApplication : Starting displayCountries method...

2025-07-10T00:51:35.456+05:30 DEBUG 12345 --- [main] c.c.springlearn.SpringLearnApplication : Country: Country [code=IN, name=India]

2025-07-10T00:51:35.457+05:30 DEBUG 12345 --- [main] c.c.springlearn.SpringLearnApplication : Country: Country [code=US, name=United States]

2025-07-10T00:51:35.458+05:30 DEBUG 12345 --- [main] c.c.springlearn.SpringLearnApplication : Country: Country [code=DE, name=Germany]

2025-07-10T00:51:35.459+05:30 DEBUG 12345 --- [main] c.c.springlearn.SpringLearnApplication : Country: Country [code=JP, name=Japan]

2025-07-10T00:51:35.460+05:30 INFO 12345 --- [main] c.c.springlearn.SpringLearnApplication : Completed displayCountries method.

2025-07-10T00:51:35.461+05:30 INFO 12345 --- [main] c.c.springlearn.SpringLearnApplication : SpringLearnApplication started successfully.

**Test the /hello Endpoint in Chrome**

http://localhost:8083/hello

**Browser Display**:

Hello World!!

2025-07-10T00:52:12.789+05:30 INFO 12345 --- [http-nio-8083-exec-1] c.c.s.controller.HelloController : Starting sayHello method...

2025-07-10T00:52:12.790+05:30 INFO 12345 --- [http-nio-8083-exec-1] c.c.s.controller.HelloController : Completed sayHello method.